

# ICECAPS Weekly Report

October 10, 2016 – October 16, 2016

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Cool backdrop for a balloon launch, and a welcome change from blowing snow. –Travis, 10/17

## General:

- Brief daily internet interruptions at ~1300z due to solar interference.

## Significant Weather Observations:

- 10/10: Bkn altostratus, DRSN, -27C, 13kn, Visibility 800m. Halo 1333z
- 10/11: Sct cirrus giving way to Ovc stratus, -22C, 7kn, 1600m. Parhelia 1105z. Fogbow 1308z.
- 10/12: Ovc stratus, -18C, 25kn, BLSN, Visibility 400m.
- 10/13: Ovc stratus, -18C, 22kn, BLSN, Visibility 300m. Slight clearing in the afternoon. Parhelia 1606z.
- 10/14: Bkn, stratus and altocumulus, -20C, 27kn, BLSN, Visibility 200m, dropping down to less than 100m in the afternoon.
- 10/15: Bkn stratus, -15C, 24kn, BLSN, Visibility 200m. Paraselene 0234z and 2244z.
- 10/16: Few stratus, Sct Altostratus, Bkn cirrus, -22C, 15kn, DRSN, FZFG, Visibility 1600m dropping to 600m. Halo ~1200z and lasting throughout most of the afternoon.

## Dataman Account:

- 10/10: Data transfer complete at 1114z.
- 10/11: Data transfer complete at 1215z.
- 10/12: Data transfer complete at 1103z.
- 10/13: Data transfer complete at 1542z.
- 10/14: Data transfer complete at 1536z.
- 10/15: Data transfer complete at ???z. Had to initiate manual transfer at ~1400z to restart upload after internet interruption. Transfer was close to complete at this time.
- 10/16: Data transfer complete at 1115z.

## MWR:

- Operating normally.

**SODAR:**

- Operating normally.

**POSS:**

- Operating normally.

**MMCR:**

- Operating normally.
- TWTA Cathode Voltage out of range throughout week.
- The following errors were seen in the elog throughout the week:  
Level 2 – NetCDF\_Spec – Could not read calibration table NetCDF file.  
Level 2 – NetCDF\_Spec – Data may be incorrect.  
Level 2 – NetCDF\_Mom – Could not read calibration table NetCDF file.  
Level 2 – NetCDF\_Mom – Data may be incorrect.
- Pitch 0.11, roll -0.11 as of 10/15.

**CAPABL:**

- Operating normally.

**MPL:**

- Operating normally.

**VCEIL:**

- Operating normally.

**Hotplate:**

- Off site for repairs since 6/9/2016.

**IceCAM:**

- Operating normally.

**PAERI:**

- Operating normally.

**TSI:**

- Operating normally.

**IcePIC:**

- 8/XX Slides placed for collection XXXXXz. Images photographed include XXXXXXXX.

**Radiosonde:**

- Twice daily soundings.
- 11/14: Night sonde lost satellite reception either right before or immediately after launch. We had trouble getting satellites while doing the conditioning as well. A 2<sup>nd</sup> launch was successful.

**MASC:**

- Offsite for repairs since 5/3/2016.